



## Smoke and Dye Water Observation Summary

### Western Run Pilot Project - Baltimore Maryland

#### FIELD SKETCH

Dye Test 281

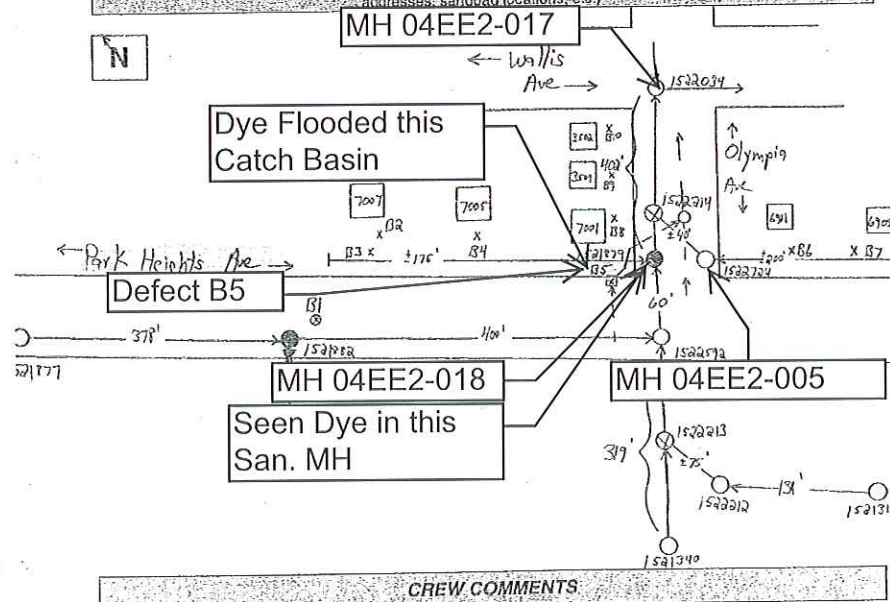
Page 1 of 2  
Smoke Set No. 27  
Setup No. 4



#### BUREAU OF WATER AND WASTEWATER SMOKE TEST INSPECTION FORM

TEST LOCATION			
Project: WRPA	Sewershed: Jones Falls	Date: 10/13/04	Start Time: 1445
Crew: T2	Street Location: Olympia Ave		
US MH: 1521877	DS MH: 1522034	Number of Segments: 11	Test Length: 2180'
Plugged US: Y (N)	Plugged DS: Y (N)	# of Blowers: 1/23	Ground: (Dry) Moderate Wet
Plugs Removed? Y (N)	Recorder: Bob Blank	Comments: CNF 1522214 + 1522213	

**FIELD SKETCH** (Show manholes and ID numbers, blower placement, source defect number, bldgs & street addresses, sanobag locations, etc.)



#### CREW COMMENTS

1521340 + 1521319 have storm manhole covers.

Last Revised 9/16/2004

Leader Form

Sketch No: 281

#### Filename Path:

X:\Baltimore City\Western Run Pilot Area - Data Files\Smoke Testing\Pictures\Sketches\281.tif

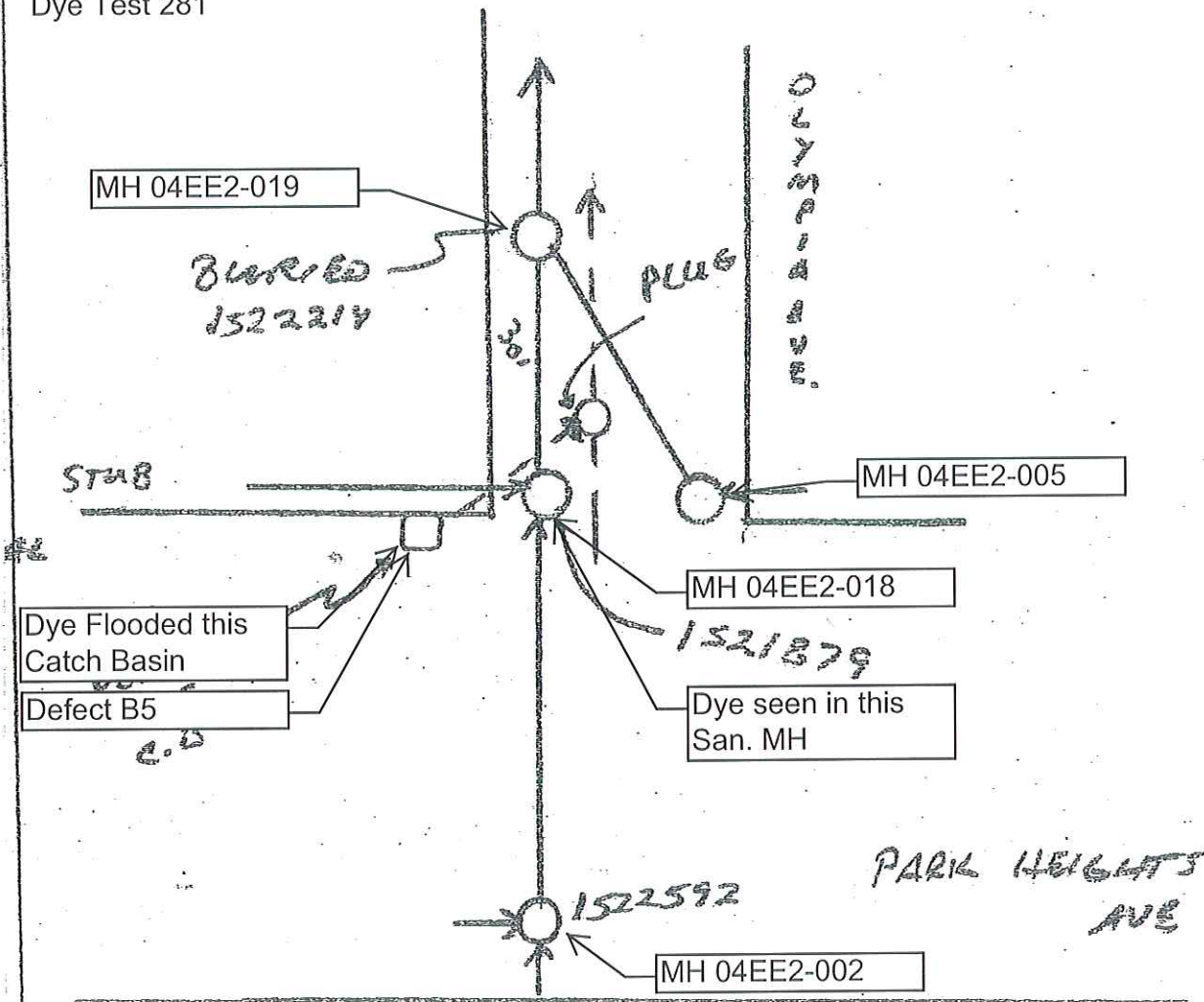
Image Status: Image found and displayed.

NOTE: Sanitary sewer alignments and connectivity in the Western Run GIS have been revised following smoke testing to reflect updated information from various sources and may no longer match the field sketches shown.

# DYE TESTING FORM

Sketch (NTS)  
Dye Test 281

Show North Arrow



RESULT CODES	SOURCE TYPE CODES			
1. POSITIVE	1. MAIN SEWER	5. DOWN SPOUT	9. STAIRWELL DRAI	13. STORM DRAIN
2. NEGATIVE	2. SERVICE LINE	6. DWNSPT CONN.	10. FOUNDATION DRAIN	14. CATCH BASIN
3. CANNOT TEST	3. TRANSITION JOIN	7. AREA DRAIN	11. BUILDING INTERIOR	15. STORM MH
	4. CLEAN OUT	8. DRIVEWAY DRAIN	12. MH FRAME/SEAL	16. STORM DITCH

Additional Comments: LEAK WERE ALL AROUND IN M.H 1521879.

ALSO ALL THE FIRST JOINTS UP ALL THREE  
PIPES OUT OF M.H 1521879 WERE LEAKING HEAVY  
& 2 TO 3 JOINTS FARTHER WERE LEAKING LIGHTLY.

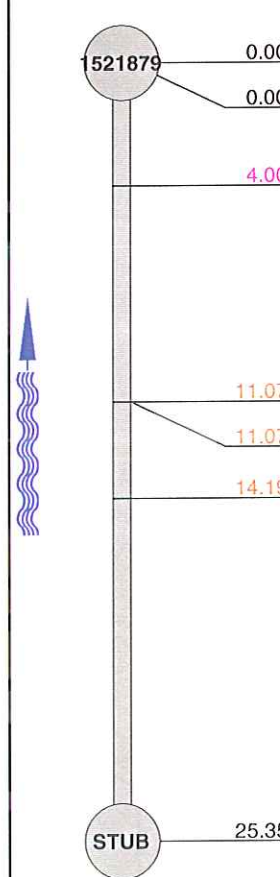
## INSPECTION REPORT

DATE: 03/16/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 7	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET:	CLEANED: NO	RATE: 1480

STREET: OLYMPIA AVE. TEST 281 B5	MAP #1: 1	MH: 1521879
CITY: BALTIMORE	MAP #2:	MH: STUB
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 25.35 ft

INSPECT REASON: OTHER	PIPE SIZE: 8
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:
AREA: 01-WR29	LINING: NO RELINING
RSRVD:	

REMARK: DYE TEST 281 B 5

1:75	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at downstream manhole, 1521879	0	00:08:02	
	0.00	LEAKS ALL AROUND M.H. 1521879		00:08:02	8a, b
	4.00	Infiltration Gushing at joint at 02 o'clock TO 10 o'clock	4	00:10:19	9a
	11.07	Infiltration Running at joint at 08 o'clock	3	00:11:47	10a
	11.07	Infiltration Running at joint at 04 o'clock	3	00:11:47	11a
	14.19	Infiltration Running at joint at 05 o'clock	3	00:12:31	12a
	25.35	inspection ends. no more leaks seen.	0	00:14:17	



## INSPECTION IMAGES

CITY: BALTIMORE	STREET: OLYMPIA AVE. TEST 281 B5	DATE: 03/16/2005	SECTION NR: 7	SECTION NAME:
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IMAGE: 8a, TAPE #: JAM 1, 00:08:02  
0FT, LEAKS ALL AROUND M.H. 1521879



IMAGE: 8b, TAPE #: JAM 1, 00:08:02  
0FT, LEAKS ALL AROUND M.H. 1521879

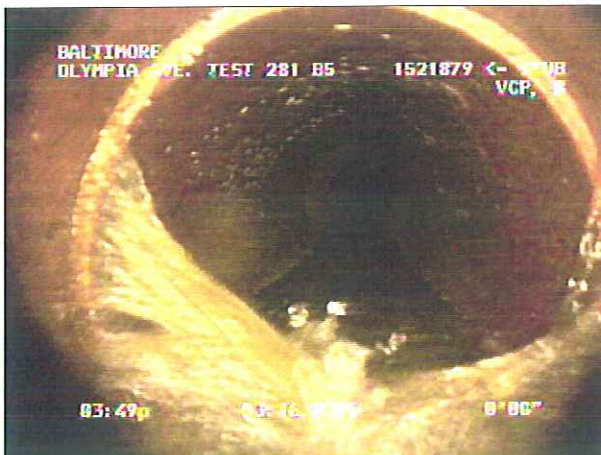


IMAGE: 9a, TAPE #: JAM 1, 00:10:19  
4FT, Infiltration Gushing at joint at 02 o'clock TO 10 o'clock

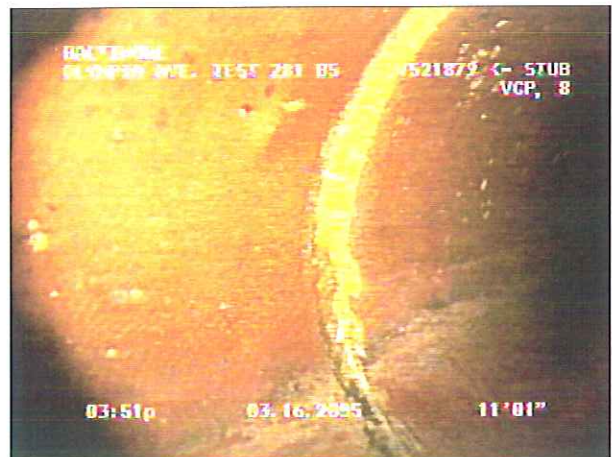


IMAGE: 10a, TAPE #: JAM 1, 00:11:47  
11.07FT, Infiltration Running at joint at 08 o'clock

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: OLYMPIA AVE. TEST 281 B5	DATE: 03/16/2005	SECTION NR: 7	SECTION NAME:
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IMAGE: 11a, TAPE #: JAM 1, 00:11:47  
11.07FT, Infiltration Running at joint at 04 o'clock



IMAGE: 12a, TAPE #: JAM 1, 00:12:31  
14.19FT, Infiltration Running at joint at 05 o'clock

## INSPECTION REPORT

DATE: 03/16/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 8	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET:	CLEANED: NO	RATE: 760

STREET: OLYMPIA AVE. TEST 281 B5	MAP #1: 1	MH: 1521879
CITY: BALTIMORE	MAP #2:	MH: 1522592
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 25.35 ft

INSPECT REASON: OTHER	PIPE SIZE: 12 in
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:
AREA: 01-WR29	LINING: NO RELINING
	RSRVD:

REMARK: dye test 281 b 5

1:75	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at downstream manhole, 1521879	0	00:14:17	
	4.00	Infiltration Running at joint at 04 o'clock to 8 o'clock	3	00:15:16	15a, b
	7.00	Infiltration Running at joint at 04 o'clock to 8 o'clock	3	00:15:39	16a, b
	11.87	Infiltration Dripping at joint at 04 o'clock	1	00:16:18	17a
	25.35	inspection ends. no more leaks seen.	0	00:17:41	



## INSPECTION IMAGES

CITY: BALTIMORE	STREET: OLYMPIA AVE. TEST 281 B5	DATE: 03/16/2005	SECTION NR: 8	SECTION NAME:
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IMAGE: 15a, TAPE #: JAM 1, 00:15:16  
4FT, Infiltration Running at joint at 04 o'clock to 8 o'clock



IMAGE: 15b, TAPE #: JAM 1, 00:15:16  
4FT, Infiltration Running at joint at 04 o'clock to 8 o'clock



IMAGE: 16a, TAPE #: JAM 1, 00:15:39  
7FT, Infiltration Running at joint at 04 o'clock to 8 o'clock



IMAGE: 16b, TAPE #: JAM 1, 00:15:39  
7FT, Infiltration Running at joint at 04 o'clock to 8 o'clock

## INSPECTION IMAGES

CITY:  
BALTIMORE

STREET:  
OLYMPIA AVE. TEST 281 B5

DATE:  
03/16/2005

SECTION NR:  
8

SECTION NAME:



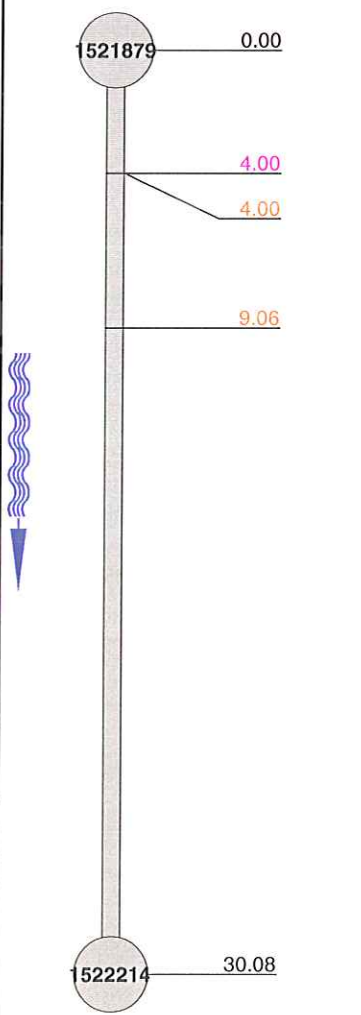
IMAGE: 17a, TAPE #: JAM 1, 00:16:18  
11.87FT, Infiltration Dripping at joint at 04 o'clock



## INSPECTION REPORT

DATE: 03/16/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 9	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET:	CLEANED: NO	RATE: 1140

STREET: OLYMPIA AVE. TEST 281 B5	MAP #1: 1	MH: 1521879
CITY: BALTIMORE	MAP #2:	MH: 1522214
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 30.08 ft
INSPECT REASON: OTHER	PIPE SIZE: 12 in	
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:	
AREA: 01-WR29	LINING: NO RELINING	
RSRVD:		
REMARK: C.N.L M.H. 1522214		

1:75	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at upstream manhole, 1521879	0	00:17:41	
	4.00	Infiltration Gushing at joint at 12 o'clock TO 12 O'CLOCK	4	00:19:49	20a, b
	4.00	Circumferential Crack at joint from 06 to 10 o'clock	3	00:20:14	21a
	9.06	Infiltration Running at joint at 04 o'clock	3	00:22:48	22a
	30.08	inspection ends at downstream manhole, 1522214	0	00:24:24	23a, b

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: OLYMPIA AVE. TEST 281 B5	DATE: 03/16/2005	SECTION NR: 9	SECTION NAME:
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IMAGE: 20a, TAPE #: JAM 1, 00:19:49  
4FT, Infiltration Gushing at joint at 12 o'clock TO 12 O'CLOCK



IMAGE: 20b, TAPE #: JAM 1, 00:19:49  
4FT, Infiltration Gushing at joint at 12 o'clock TO 12 O'CLOCK



IMAGE: 21a, TAPE #: JAM 1, 00:20:14  
4FT, Circumferential Crack at joint from 06 to 10 o'clock



IMAGE: 22a, TAPE #: JAM 1, 00:22:48  
9.06FT, Infiltration Running at joint at 04 o'clock

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: OLYMPIA AVE. TEST 281 B5	DATE: 03/16/2005	SECTION NR: 9	SECTION NAME:
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IMAGE: 23a, TAPE #: JAM 1, 00:24:24  
30.08FT, inspection ends at downstream manhole, 1522214



IMAGE: 23b, TAPE #: JAM 1, 00:24:24  
30.08FT, inspection ends at downstream manhole, 1522214